

Release B CDR RID Report

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Document CDR

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Review	Release B CDR	
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Priority		

Section**Page****Figure Table**

Category Name Processing (DPS) Design

Actionee ECS

Sub Category

Subject MODIS Dependencies require cross-computer data access/management

Description of Problem or Suggestion:

There is virtually no way to schedule MODIS processing over multiple computers without data dependencies between computers. Separation by PGE produces multiple dependencies. Time-slicing produces dependencies due to L1b and 2G which require multiple time slices for each granule. Thus, there must be a way for a PGE on one box to use data on another box.

Originator's Recommendation

Evaluate options for providing cross-computer data access in processing, such as:

- 1) DFS
- 2) Copying data to local storage
- 3) or whatever

GSFC Response by:

GSFC Response Date

HAIS Response by: J. Zhang

HAIS Schedule

HAIS R. E. C. Schwartz

HAIS Response Date 5/20/96

The current PDPS design can handle the scheduling of MODIS processing over multiple computers with data dependencies between computers. During planning stage, the DPRs with data dependencies will be planned to run on the same cluster of computers managed by one autosys instance. When the input data to the DPRs are available, the DPRs will be released to DPS for processing. DPS will then create the jobs for the DPRs through autosys. The jobs could be run on different computers. Autosys will check the data dependencies (or job dependencies) when it submits the jobs for execution. The data staging job of a DPR will stage the input data from the data server to the local disk if the data is not available locally. If the input data is produced locally and resides on another computer, the data staging job will copy it to the locally disk.

Status **Closed**

Date Closed **6/10/96**

Sponsor **Kempler**

***** Attachment if any *****
